

ABSTRACT

A rotary pump has a simple construction by omitting a transmission shaft on the side of a motor and whereby makes a cost of the rotary pump as low as possible, with maintaining feature that assembling and disassembling is facilitated. The rotary pump has a main casing, a casing cover cooperated with the main casing for defining a pumping chamber therebetween, a pair of rotors received within the pumping chamber with mutually meshing pumping segments for synchronous revolution in mutually opposite directions, a space being defined in one portion of the casing cover, a cover piston being disposed within the space for movement back and forth with respect to an end surface of the rotor, and an air cylinder being mounted on the casing cover and having a piston rod, to which the cover piston is connected.